

L Number	Hits	Search Text	DB	Time stamp
-	2017	((((438/22) or (438/29) or (438/31) or (438/65) or (438/69) or (438/456) or (438/457) or (438/606) or (438/609) or (438/611) or (438/614) or (438/617) or (257/431) or (257/432) or (257/435) or (257/447)).CCLS.) and @ad<=19980226	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/09/23 09:50
-	64	((((438/22) or (438/29) or (438/31) or (438/65) or (438/69) or (438/456) or (438/457) or (438/606) or (438/609) or (438/611) or (438/614) or (438/617) or (257/431) or (257/432) or (257/435) or (257/447)).CCLS.) and @ad<=19980226) and (optical) and (clad\$4) and (core)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/09/23 09:57
-	30	("3968564"   "4744623"   "4920070"   "4970578"   "5128831"   "5221633"   "5352998"   "5362976"   "5409563"   "5489554"   "5532506"   "5604835"   "5641545"   "5656548"   "5682062"   "5729038"   "5742100"   "5760478"   "5767001"   "5798297"   "5834849"   "5844289"   "5858814"   "5897333"   "5900674"   "5901050"   "5902118"   "5903045"   "5915167"   "5952665").PN.	USPAT	2002/09/23 10:09
-	34	5682062.URPN.	USPAT	2002/09/23 10:11
-	40	("3256465"   "3343256"   "3372070"   "3418545"   "3445686"   "3454835"   "3456335"   "3462650"   "3648131"   "3796927"   "3798513"   "3885196"   "3959579"   "3962052"   "3969745"   "3982268"   "4074342"   "4097890"   "4104674"   "4188709"   "4263341"   "4275410"   "4368503"   "4379307"   "4467343"   "4528072"   "4613891"   "4670764"   "4720738"   "4761681"   "4839510"   "4862322"   "4897708"   "4939568"   "4954875"   "5198695"   "5200631"   "5202754"   "5404044"   "5481133").PN.	USPAT USPAT	2002/09/23 10:15
-	5	("4695120"   "4862231"   "4879250"   "5093879"   "5198684").PN.	USPAT	2002/09/23 10:43
-	64	5093879.URPN.	USPAT	2002/09/23 10:44
-	12	5362976.URPN.	USPAT	2002/09/23 10:46
-	71	("Re34790"   "4168883"   "4204743"   "4265511"   "4307934"   "4355321"   "4451115"   "4501637"   "4616899"   "4639077"   "4687285"   "4698662"   "4707067"   "4711521"   "4733932"   "4740259"   "4752109"   "4753508"   "4758719"   "4790618"   "4818053"   "4824202"   "4842391"   "4862231"   "5046798"   "5050953"   "5073047"   "5074682"   "5075253"   "5175783"   "5181265"   "5214845"   "5239605"   "5244818"   "5247530"   "5257336"   "5266794"   "5274723"   "5283447"   "5287001"   "5291064"   "5337398"   "5347605"   "5362976"   "5416869"   "5440658"   "5452389"   "5457759"   "5463707"   "5485021"   "5495545"   "5500540"   "5504828"   "5521999"   "5526455"   "5537504"   "5546212"   "5546490"   "5548676"   "5555334"   "5566264"   "5566265"   "5600741"   "5631992"   "5692083"   "5734771"   "5737133"   "5737465"   "5745625"   "5771218"   "5940564").PN.	USPAT USPAT USPAT	2002/09/23 10:47
-	1124	semiconductor and substrate and (interconnect with optical)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/09/23 10:50
-	160	(semiconductor and substrate and (interconnect with optical)) and clad\$4 and core	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/09/23 10:52
-	96	((semiconductor and substrate and (interconnect with optical)) and clad\$4 and core) and @ad<=19980226	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/09/23 11:40
-	2	("5652811").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/09/23 11:41

-	6	("4741595"   "5121459"   "5175777"   "5247592"   "5295216"   "5367596").PN.	USPAT	2002/09/23 11:41
-	3	5652811.URPN.	USPAT	2002/09/23 11:41
-	26164	(semiconductor) and (optical with fiber)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/01 07:43
-	18366	((semiconductor) and (optical with fiber)) and @ad<=19980226	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/01 07:44
-	697	((((semiconductor) and (optical with fiber)) and @ad<=19980226) and substrate and ((first and second) with circuit))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/01 07:45
-	200884	substrate and hole	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/01 07:46
-	164208	substrate with (hole via window trench aperture)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/01 07:47
-	168	(((((semiconductor) and (optical with fiber)) and @ad<=19980226) and substrate and ((first and second) with circuit)) and substrate with (hole via window trench aperture))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/01 07:47
-	4	5247596.URPN.	USPAT	2002/10/01 10:56
-	16	("3663194"   "4070516"   "4268113"   "4727649"   "4772787"   "4945400"   "5073003"   "5200631"   "5247596"   "5357103"   "5390271"   "5392368"   "5400419"   "5446814"   "5911022"   "6090636").PN.	USPAT	2002/10/01 10:58
-	19	4268113.URPN.	USPAT	2002/10/01 11:01
-	13	4070516.URPN.	USPAT	2002/10/01 11:03
-	0	kosemura.inv	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/01 11:05
-	166	kosemura.inv.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/01 11:05
-	14	kosemura.inv. and (sony.as.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/01 11:05
-	0	6330377.URPN.	USPAT	2002/10/01 11:08
-	5	("4268113"   "4373778"   "4690492"   "4778241"   "5101465").PN.	USPAT	2002/10/01 11:08
-	27	4373778.URPN.	USPAT	2002/10/01 11:09
-	13	4070516.URPN.	USPAT	2002/10/01 11:13
-	5	("3663194"   "3716804"   "3785717"   "3817730"   "3879606").PN.	USPAT	2002/10/01 11:14
-	18	3663194.URPN.	USPAT	2002/10/01 11:14

-	31	("3968564"   "4920070"   "4970578"   "5128831"   "5221633"   "5352998"   "5362796"   "5409563"   "5489554"   "5532506"   "5604835"   "5641545"   "5656548"   "5682062"   "5729038"   "5742100"   "5744379"   "5760478"   "5767001"   "5798297"   "5834849"   "5844289"   "5858814"   "5897333"   "5900674"   "5901050"   "5902118"   "5903045"   "5915167"   "5952665"   "5952712").PN.	USPAT	2002/10/01 12:49
-	12	5362976.URPN.	USPAT	2002/10/01 13:46
-	16	("3663194"   "4070516"   "4268113"   "4727649"   "4772787"   "4945400"   "5073003"   "5200631"   "5247596"   "5357103"   "5390271"   "5392368"   "5400419"   "5446814"   "5911022"   "6090636").PN.	USPAT	2002/10/01 13:57
-	3	6090636.URPN.	USPAT	2002/10/01 14:00
-	6	("3761858"   "5568356"   "5726786"   "5933608"   "6090636"   "6261853").PN.	USPAT	2002/10/01 14:00
-	12	5312765.URPN.	USPAT	2002/10/01 14:02
-	11	("3748548"   "4396437"   "4450464"   "4547792"   "4782023"   "4902637"   "4972248"   "4978639"   "5039628"   "5077231"   "5084742").PN.	USPAT	2002/10/01 14:03
-	13	3748548.URPN.	USPAT	2002/10/01 14:04
-	11032	semiconductor and (fiber with optic)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/01 14:06
-	3902	(semiconductor and (fiber with optic)) and silicon	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/01 14:06
-	1182	((semiconductor and (fiber with optic)) and silicon) and core	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/01 14:07
-	171	((semiconductor and (fiber with optic)) and silicon) and core) and first with circuit	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/01 14:23
-	16	((semiconductor and (fiber with optic)) and silicon) and core) and first with circuit) and (((438/\$) (257/\$)).ccls.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/01 14:28
-	262	((438/27) or (438/65)).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/01 14:28
-	185	((438/27) or (438/65)).CCLS.) and @ad<=19980226	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/01 14:34
-	31	((438/27) or (438/65)).CCLS.) and @ad<=19980226) and (optic with fiber)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/01 14:32
-	17	"4070516"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/16 10:22

-	16	("3663194"   "4070516"   "4268113"   "4727649"   "4772787"   "4945400"   "5073003"   "5200631"   "5247596"   "5357103"   "5390271"   "5392368"   "5400419"   "5446814"   "5911022"   "6090636").PN.	USPAT	2002/10/16 08:12
-	0	6330377.URPN.	USPAT	2002/10/16 08:14
-	16	("3663194"   "4070516"   "4268113"   "4727649"   "4772787"   "4945400"   "5073003"   "5200631"   "5247596"   "5357103"   "5390271"   "5392368"   "5400419"   "5446814"   "5911022"   "6090636").PN.	USPAT	2002/10/16 08:14
-	11	("3429040"   "4070516"   "4169001"   "4573067"   "4626878"   "4699449"   "4729618"   "4758063"   "4871224"   "4966430"   "5049982").PN.	USPAT	2002/10/16 08:15
-	24	5200631.URPN.	USPAT	2002/10/16 08:16
-	3	("4966430"   "5159700"   "5200631").PN.	USPAT	2002/10/16 08:23
-	15	5485021.URPN.	USPAT	2002/10/16 08:24
-	15	5485021.URPN.	USPAT	2002/10/16 09:27
-	41	("3765969"   "4015893"   "4652077"   "4755015"   "4820655"   "4966430"   "4999686"   "5159700"   "5170448"   "5280189"   "5360982"   "5371818"   "5394490"   "5452383"   "5481629"   "5485021"   "5488678"   "5502779"   "5513285"   "5513288"   "5519803"   "5521994"   "5523557"   "5526454"   "5534442"   "5546489"   "5559914"   "5574806"   "5577138"   "5577139"   "5598490"   "5600741"   "5602672"   "5604835"   "5611008"   "5621828"   "5696862"   "5701374"   "5835646"   "5848214"   "5883988").PN.	USPAT	2002/10/16 09:31
-	41	("3765969"   "4015893"   "4652077"   "4755015"   "4820655"   "4966430"   "4999686"   "5159700"   "5170448"   "5280189"   "5360982"   "5371818"   "5394490"   "5452383"   "5481629"   "5485021"   "5488678"   "5502779"   "5513285"   "5513288"   "5519803"   "5521994"   "5523557"   "5526454"   "5534442"   "5546489"   "5559914"   "5574806"   "5577138"   "5577139"   "5598490"   "5600741"   "5602672"   "5604835"   "5611008"   "5621828"   "5696862"   "5701374"   "5835646"   "5848214"   "5883988").PN.	USPAT	2002/10/16 09:34
-	2	("5335361"   "5638469").PN.	USPAT	2002/10/16 09:35
-	2	("5335361"   "5638469").PN.	USPAT	2002/10/16 09:35
-	2	5848214.URPN.	USPAT	2002/10/16 09:35
-	17	"5312765"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/16 10:29
-	16	("3911559"   "4889832"   "4892842"   "4923825"   "4982266"   "5004705"   "5091331"   "5308779"   "5312765"   "5387555"   "5424245"   "5569620"   "5569621"   "5589419"   "5618752"   "5643821").PN.	USPAT	2002/10/16 10:24
-	18	5807783.URPN.	USPAT	2002/10/16 10:25
-	22	"5807783"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/16 10:35
-	1075	forming with optical with fiber with (hole apperture window opening)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/16 10:37
-	8	(forming with optical with fiber with (hole apperture window opening)) and ((438/\$).ccls.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/16 10:47
-	23	(forming with optical with fiber with (hole apperture window opening)) and (((257/\$) (438/\$)).ccls.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/16 11:09

-	5	4948978.URPN.	USPAT	2002/10/16 10:58
-	5	4948978.URPN.	USPAT	2002/10/16 10:58
-	3	("3963926"   "4514632"   "4560882").PN.	USPAT	2002/10/16 10:58
-	373	(forming with optical with fiber with (hole apperture window opening)) and (((385/\$) (361/\$)).ccls.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/16 11:09
-	290	((forming with optical with fiber with (hole apperture window opening)) and (((385/\$) (361/\$)).ccls.)) and @ad<=19980226	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/16 13:00
-	11	"4744623"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/16 13:01
-	32	4820013.URPN.	USPAT	2002/10/16 13:16
-	5	("4715673"   "4732446"   "4741595"   "4743091"   "4744623").PN.	USPAT	2002/10/16 13:19
-	1838	((438/27) or (438/31) or (438/69) or (323/902) or (257/80) or (257/81) or (257/83) or (257/84) or (257/85) or (250/551)).CCLS.	USPAT	2002/10/16 14:11
-	1485	((438/27) or (438/31) or (438/69) or (323/902) or (257/80) or (257/81) or (257/83) or (257/84) or (257/85) or (250/551)).CCLS.) and @ad<=19980830	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/16 14:12
-	0	((438/27) or (438/31) or (438/69) or (323/902) or (257/80) or (257/81) or (257/83) or (257/84) or (257/85) or (250/551)).CCLS.) and @ad<=19980830 and (forming with fiber with optic with (hole window opening apperture))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/16 14:13
-	17	((438/27) or (438/31) or (438/69) or (323/902) or (257/80) or (257/81) or (257/83) or (257/84) or (257/85) or (250/551)).CCLS.) and @ad<=19980830 and (fiber with optic with (hole window opening apperture))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/16 14:17
-	101	((438/27) or (438/31) or (438/69) or (323/902) or (257/80) or (257/81) or (257/83) or (257/84) or (257/85) or (250/551)).CCLS.) and @ad<=19980830 and ((fiber with optic with (hole window opening apperture)) (electro with optic))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/16 14:18
-	114	((438/27) or (438/31) or (438/69) or (323/902) or (257/80) or (257/81) or (257/83) or (257/84) or (257/85) or (250/551)).CCLS.) and @ad<=19980830 and ((fiber with optic with (hole window opening apperture)) ((electro with optic) electrooptic electrooptic))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/16 14:18
-	58	((438/27) or (438/31) or (438/69) or (323/902) or (257/80) or (257/81) or (257/83) or (257/84) or (257/85) or (250/551)).CCLS.) and @ad<=19980830 and ((fiber with optic with (hole window opening apperture)) (electro with optic))) and forming	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/16 14:18
-	63	((438/27) or (438/31) or (438/69) or (323/902) or (257/80) or (257/81) or (257/83) or (257/84) or (257/85) or (250/551)).CCLS.) and @ad<=19980830 and ((fiber with optic with (hole window opening apperture)) ((electro with optic) electrooptic electrooptic))) and forming	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/16 14:29
-	146	((438/27) or (438/31) or (438/69) or (323/902) or (257/80) or (257/81) or (257/83) or (257/84) or (257/85) or (250/551)).CCLS.) and @ad<=19980830 and form\$3 with (optical with (fiber fibre))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/16 14:31

-	51	((((438/27) or (438/31) or (438/69) or (323/902) or (257/80) or (257/81) or (257/83) or (257/84) or (257/85) or (250/551)).CCLS.) and @ad<=19980830) and form\$3 with (optical with (fiber fibre)) and hole	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/16 14:52
-	7	("4826272"   "5155786"   "5345529"   "5394490"   "5424573"   "5625733"   "5909524").PN.	USPAT	2002/10/16 14:44
-	4	5625733.URPN.	USPAT	2002/10/16 14:48
-	0	6100595.URPN.	USPAT	2002/10/16 14:49
-	7	("4826272"   "5155786"   "5345529"   "5394490"   "5424573"   "5625733"   "5909524").PN.	USPAT	2002/10/16 14:49
-	7	("4818056"   "5096301"   "5276754"   "5345530"   "5371822"   "5416872"   "5434940").PN.	USPAT	2002/10/16 14:50
-	4	5625733.URPN.	USPAT	2002/10/16 14:50
-	76	("4250520"   "4457467"   "4708429"   "4720163"   "4730198"   "4750799"   "4752816"   "4790618"   "4798439"   "4817849"   "4845052"   "4892377"   "4909590"   "4954458"   "4989934"   "5093879"   "5113404"   "5123074"   "5170455"   "5177807"   "5210811"   "5215489"   "5216729"   "5247597"   "5249733"   "5283446"   "5322463"   "5371822"   "5450508"   "5478778"   "5499312"   "5535296"   "5550088"   "5555333"   "5559914"   "5568892"   "5570184"   "5574561"   "5603870"   "5625733"   "5647044"   "5659641"   "5687267"   "5700987"   "5721797"   "5737467"   "5745624"   "5748822"   "5748827"   "5778120"   "5833202"   "5854867"   "5859943"   "5883988"   "5892179"   "5898806"   "5907649"   "5916458"   "5966486"   "5970200"   "5985086"   "6010251"   "6027253"   "6027254"   "6058234"   "6106161"   "6112001"   "6115515"   "6118917"   "6155515"   "6130448"   "6132106"   "6151173"   "6157050"   "6160936"   "6164837").PN.	USPAT USPAT	2002/10/16 14:50 2002/10/16 14:50
-	76	("4250520"   "4457467"   "4708429"   "4720163"   "4730198"   "4750799"   "4752816"   "4790618"   "4798439"   "4817849"   "4845052"   "4892377"   "4909590"   "4954458"   "4989934"   "5093879"   "5113404"   "5123074"   "5170455"   "5177807"   "5210811"   "5215489"   "5216729"   "5247597"   "5249733"   "5283446"   "5322463"   "5371822"   "5450508"   "5478778"   "5499312"   "5535296"   "5550088"   "5555333"   "5559914"   "5568892"   "5570184"   "5574561"   "5603870"   "5625733"   "5647044"   "5659641"   "5687267"   "5700987"   "5721797"   "5737467"   "5745624"   "5748822"   "5748827"   "5778120"   "5833202"   "5854867"   "5859943"   "5883988"   "5892179"   "5898806"   "5907649"   "5916458"   "5966486"   "5970200"   "5985086"   "6010251"   "6027253"   "6027254"   "6058234"   "6106161"   "6112001"   "6115515"   "6118917"   "6155515"   "6130448"   "6132106"   "6151173"   "6157050"   "6160936"   "6164837").PN.	USPAT	2002/10/16 14:51
-	1205	forming with optic\$3 with (fiber fibre) with (hole window opening trench)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/16 14:56
-	1061	forming with optic\$3 with (fiber fibre) with (hole opening trench)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/16 14:59
-	104	((forming with optic\$3 with (fiber fibre) with (hole opening trench)) and semiconductor	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/16 15:01
-	75	((forming with optic\$3 with (fiber fibre) with (hole opening trench)) and semiconductor) and @ad<=19980226	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/16 15:02

-	11	("4632684"   "4669821"   "4952225"   "5047076"   "5058976"   "5131936"   "5284500"   "5296012"   "5314518"   "5526459"   "5711782").PN.	USPAT	2002/10/16 15:20
-	0	6125659.URPN.	USPAT	2002/10/16 15:21
-	5717	((438/667) or (438/65) or (438/107) or (438/31) or (438/29) or (438/42) or (438/44) or (438/64) or (438/67) or (438/106) or (438/107) or (438/109) or (438/455) or (438/456) or (438/457) or (438/597) or (438/598) or (438/599) or (438/606) or (438/618) or (438/639) or (438/666) or (438/689) or (438/696) or (438/712) or (438/719)).CCLS.	USPAT	2002/10/17 08:08
-	10	((((438/667) or (438/65) or (438/107) or (438/31) or (438/29) or (438/42) or (438/44) or (438/64) or (438/67) or (438/106) or (438/107) or (438/109) or (438/455) or (438/456) or (438/457) or (438/597) or (438/598) or (438/599) or (438/606) or (438/618) or (438/639) or (438/666) or (438/689) or (438/696) or (438/712) or (438/719)).CCLS.) and (cladding with layer) and (aluminum with oxide)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/17 08:09